

## EUROPEAN PATENT OFFICE

### Patent Abstracts of Japan

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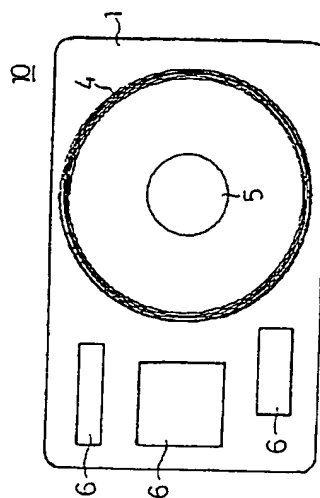
APPLICATION DATE : 07-06-90  
APPLICATION NUMBER : 02147361

APPLICANT : NIPPON TELEGR & TELEPH. CORP  
<NTT>;

INVENTOR : HOSHINO HATSUO;

INT. CL. : G06K 19/06 G11B 7/00 G11B 7/24

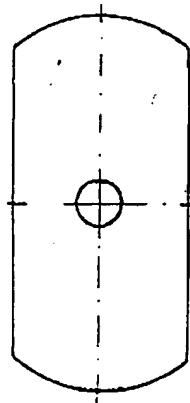
TITLE : INFORMATION CARD



ABSTRACT : PURPOSE: To record voice, music, etc., on a business card and a prepaid card, etc., and to reproduce them with a compact disk player by recording information spirally so that they can be read out with the optical readout means of a compact disk in a noncircular card.

CONSTITUTION: An information card 10 in which the voice and the music are recorded on the noncircular card such as the prepaid card or the business card, etc., is comprised of a transparent substrate 1, aluminum film 2, and protective film 3, and they are the same material and of same thickness as that of the transparent substrate, the aluminum film, and the protective film used in the compact disk. Pits are provided on the aluminum film 2 of the information card 10 spirally, and also, a recording part 4 is provided. Also, a through hole 5 with the same diameter as that of the center hole of the compact disk is provided in the neighborhood of the center of spiral. In such a way, the information card 10 is formed in the same structure optically and mechanically as that of the compact disk, and the voice and the music can be reproduced with an ordinary compact disk player.

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⑪ 14-99

⑪ M 97 04 019

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⑫ 25.04.97 ⑬ 25.09.97

⑭ M 97 04 019.3

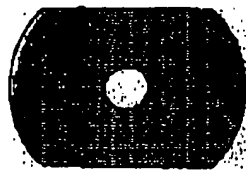
⑮ Compact-Discs einschließlich Behälter

⑯ Otterstein, Karl, 34132 Kassel

Sammelanmeldung: 8 Muster, 8 5 Jahre, L

Muster-Nr.: 1, 1 Abb. ② 2, 1 Abb. ③ 3, 1 Abb. ④ 4, 1 Abb. ⑤ 5, 1 Abb.

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⑪ 14-99

⑪ M 97 02 999

⑫ 22.03.97 ⑬ 25.09.97

⑭ M 97 02 999.3

⑮ Visitenkarten-Compact Disc

⑯ Otterstein, Karl, 34132 Kassel

1 Muster, 8 5 Jahre, B, L, 3 Abb.

GES. VON: Feldmann AG

: 5- 7-99 : 11:25 : +41 +1 810 71 91-

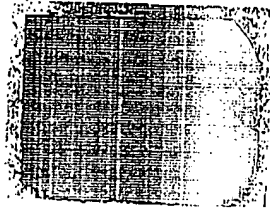
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Teil a - Fliese 14

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